

Title (en)

A METHOD AND DEVICE FOR CHRONOLOGICALLY SYNCHRONIZING A LOCATION NETWORK

Title (de)

VERFAHREN UND EINRICHTUNG ZUR CHRONOLOGISCHEN SYNCHRONISATION EINES ORTSNETZWERKS

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE SYNCHRONISER CHRONOLOGIQUEMENT UN RESEAU DE POSITIONNEMENT

Publication

**EP 1451606 B1 20130703 (EN)**

Application

**EP 02771898 A 20021101**

Priority

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- AU PR863401 A 20011102

Abstract (en)

[origin: WO03038469A1] A method of chronologically synchronising a unique a unique positioning signal generated by a Positioning Unit Device at a known location to a reference transmitter generating a reference positioning signal at another known location, the method comprising: a) receiving and interpreting said reference positioning signal to determine a reference positioning signal propagation delay between the reference transmitter and the Positioning Unit Device; b) generating, transmitting and receiving said unique positioning signal; c) interpreting said received reference positioning signal to deduce: i) the transmit minus receive time of the reference positioning signal by said Positioning Unit Device; ii) the transmit minus receive time of the unique positioning signal by said Positioning Unit Device; and d) comparing steps c i) and c ii) to deduce a chronological transmission difference; and e) chronologically adjusting said unique positioning signal by said deduced chronological transmission difference, offset by said reference signal propagation delay; f) transmitting said unique positioning; such the said unique positioning signal is chronologically synchronised to said reference transmitter.

IPC 8 full level

**G01S 7/40** (2006.01); **G01S 19/11** (2010.01); **G01S 1/00** (2006.01); **G01S 1/24** (2006.01); **G01S 5/00** (2006.01); **G01S 5/02** (2010.01); **G01S 11/08** (2006.01); **G01S 19/05** (2010.01); **G01S 19/10** (2010.01); **G01S 19/23** (2010.01); **G01S 19/25** (2010.01); **H04Q 7/34** (2006.01); **G01S 19/43** (2010.01)

CPC (source: EP KR US)

**G01S 1/24** (2013.01 - EP KR US); **G01S 5/0081** (2013.01 - EP KR US); **G01S 5/009** (2013.01 - KR); **G01S 5/021** (2013.01 - EP KR US); **G01S 5/0226** (2013.01 - EP KR US); **G01S 5/0289** (2013.01 - EP KR US); **G01S 5/14** (2013.01 - EP KR US); **G01S 5/145** (2013.01 - EP US); **G01S 19/10** (2013.01 - EP KR US); **G01S 19/23** (2013.01 - EP KR US); **G01S 19/256** (2013.01 - EP KR US); **G01S 19/43** (2013.01 - KR); **H04W 56/0015** (2013.01 - EP); **H04W 56/0065** (2013.01 - EP); **G01S 19/43** (2013.01 - EP US)

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